

Appl No. 09/812,089
Reply to Office action of September 30, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A handheld mobile wireless monitoring apparatus comprising:
a radio-wireless receiver for ~~monitoring~~ monitoring-receiving a wireless signal across at least one wireless channel;
a user interface for enabling a user to observe and select a predetermined parameter of the wireless signal to be evaluated;
a processing circuit for evaluating the wireless signal responsive to the user interface to observe the predetermined parameter;
an enclosure, dimensioned to be handheld by the user, for retaining the radio receiver, the processing circuit and the user interface.
2. (Currently Amended): The apparatus of claim 1 wherein the ~~radio-wireless~~ receiver is a wireless PC card for monitoring wireless signals operating under the IEEE 802.11 protocols.
3. (Original): The apparatus of claim 1 wherein the processing circuit comprises a microprocessor.
4. (Original): The apparatus of claim 1 wherein the user interface comprises an LCD display for displaying data about the at least one property of the wireless signal.
5. (Original): The apparatus of claim 1 wherein the user interface comprises a keypad for selecting the predetermined parameter of the wireless signal to be observed.
6. (Original): The apparatus of claim 1 wherein the predetermined parameter of the wireless signal to be evaluated is selected from at least one of: unit identification, SSID, WEP status, data rate and transmission power strength.
7. (Currently Amended): A method of mobile monitoring comprising:

App'l No. 09/812,089

Reply to Office action of September 30, 2004

~~monitoring~~ ~~monitoring-receiving~~ a wireless signal across at least one wireless channel with a handheld mobile wireless monitoring apparatus;

selecting a predetermined parameter of the wireless signal to be evaluated using the handheld mobile wireless monitoring apparatus;

evaluating the wireless signal to observe the predetermined parameter by the handheld mobile wireless monitoring apparatus; and

observing the evaluated predetermined parameter of the wireless signal via the handheld mobile wireless monitoring apparatus.

8. (Original): The method of claim 7 wherein the steps of monitoring, selecting, evaluating and observing are performed at a first predetermined location, and wherein the method further comprises performing the steps of monitoring, selecting, evaluating and observing at least a second predetermined location, so as to observe the predetermined parameter over a predetermined region comprised of the respective predetermined locations.

9. (Original): The method of claim 7 wherein the monitored wireless signals operate under the IEEE 802.11 protocols.

10. (Original): The method of claim 7 wherein the predetermined parameter of the wireless signal to be evaluated is selected from at least one of: unit identification, SSID, WEP status, data rate, and transmission power strength.

11. (Currently Amended): The method of claim 7 wherein the predetermined parameter of ~~[[trhe]]~~ the wireless signal to be evaluated is selected from at least one of: access point identification, client identification, quick statistics, signal strength, WLAN statistics, host and associations tabulations, packets information, security, signal direction, and device options.

12. (New): The apparatus of claim 1, further comprising:
the user interface adapted to receive a WEP key for the wireless signal; and

App'l No. 09/812,089
Reply to Office action of September 30, 2004

the processing circuit is configured to be responsive to the user interface receiving the WEP key to determine the WEP status of the wireless signal being monitored based on the received WEP key.

13. (New): The method of claim 7, further comprising:
receiving a WEP key; and
determining the WEP status of the wireless signal based on the WEP key.

14. (New): The method of claim 7, further comprising determining a gap in signal coverage exists when the wireless signal is detected and the predetermined parameter is not detected.

15. (New): A handheld apparatus, comprising:
means for receiving a wireless signal;
means for obtaining a predetermined parameter of the wireless signal to monitor;
means for evaluating the predetermined parameter of the wireless signal responsive to the means for obtaining; and
enclosing means for retaining the means for receiving, means for obtaining, and means for evaluating.

16. (New): The apparatus of claim 15, further comprising means for displaying the evaluation of the predetermined parameter enclosed within the enclosing means.

17. (New): The apparatus of claim 15, wherein the wireless signal is an IEEE 802.11 protocol compliant signal.

18. (New): The apparatus of claim 17, wherein the predetermined parameters is at least one of Media Access Control Address, Service Set Identification, Wired Equivalent Privacy status, data rate and transmission power strength.